ABSTRACT

1   An automated, computer-based reading tutoring system is accessed via a computer system

2   and includes a plurality of instructional passages of different, predetermined levels of reading

3   difficulty. A semantic space module of the reading tutoring system operates on a semantic space,

4   which is produced by a machine-learning method, to automatically evaluate a student-submitted

5   summary of a selected instructional passage for congruence with the selected instructional passage

6   and to automatically determine which instructional passage the student should optimally read next

7   . The reading tutoring system includes immediate feedback data provided to the student and

8   including an indicator reflective of the student's reading comprehension and the identity of the

9   instructional passage that the student should read next. An automated, computer-based method

10   of reading tutoring comprises the steps of receiving a student-submitted summary of a selected

11   instructional passage from a domain of discourse, automatically evaluating the summary to obtain

12   a measure of the student's reading comprehension and, based on this evaluation, automatically

13   selecting an instructional passage for the student to read next.